PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	See Form PCT/IPEA/416		
P27-051PCT		nth/year) Priority date (day/month/year)		
International application No.	International filing date (day/mor			
PCT/US04/09506	26 March 2004 (26.03.2004)	26 March 2003 (26.03.2003)		
International Patent Classification (IPC)	or national classification and IPC	100 100 100 100 100 100 100 100 100 100		
IPC(7): C07C 229/00 and US Cl.: 560/ 490,	9, 10, 15, 16, 19, 37, 38, 41, 47,	100, 103, 105,; 562/ 405, 426, 427, 422, 441, 442, 443,		
Applicant				
PURDUE RESEARCH FOUNDATION				
1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.				
2. This REPORT consists of	f a total of Sheets, includ	ing this cover sheet.		
_	panied by ANNEXES, compris			
a. (sent to the applic	ant and to the International Bu	reau) a total of sheets, as follows:		
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).				
sheets which that goes b	ch supersede earlier sheets, bu eyond the disclosure in the int	t which this Authority considers contain an amendment ernational application as filed, as indicated in item 4 of		
Box No. I a	and the Supplemental Box.	s c : :		
b (sent to	the International Bureau only) a	a total of (indicate type and number of electronic carrier(s))		
, con	taining a sequence listing and/on the Supplemental Box Re	lating to Sequence Listing (see Section 802 of the		
Administrative	Instructions).			
	cations relating to the following	g items:		
<u></u>	Basis of the report	·		
Box No. II	Priority	1		
Box No. III	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial			
	applicability Lack of unity of invention			
		als 25(2) with regard to povelty inventive step or industrial		
Box No. V	V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
Box No. VI	Certain documents cited			
Box No. VII	Box No. VII Certain defects in the international application			
Box No. VIII	Certain observations on the in			
Date of submission of the demand		Date of completion of this report		
30 September 2004 (30.09.2004)		22 August 2005 (22.08.2005)		
Name and mailing address of the IPEA/ US		Authorized officer		
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents		Karl J. Puttlitz 7. Roberts 407		
P.O. Box 1450				
Alexandria, Virginia 22313-14 Facsimile No. (703) 305-3230	UC	Telephone No. (571) 272-1600		

Form PCT/IPEA/409 (cover sheet)(January 2004)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.	
PCT/US04/09506	

Box No.	I	Basis of the report
1. With filed,	unle	ard to the language, this report is based on the international application in the language in which it was associated under this item.
	This	report is based on translations from the original language into the following language, the is the language of a translation furnished for the purposes of:
	WILL	international search (under Rules 12.3 and 23.1(b))
	H	publication of the international application (under Rule 12.4)
	님	
furni:	shed i	international preliminary examination (under Rules 55.2 and/or 55.3) and to the elements of the international application, this report is based on (replacement sheets which have been to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" of annexed to this report):
\square		international application as originally filed/furnished
X		description:
KA	nag	es 1-55 as originally filed/furnished
	nag	es* NONE received by this Authority on
	pag	es* NONE received by this Authority on
\boxtimes		claims:
لاسكا	กลอ	es 56-61 as originally filed/furnished
	pag	tes* NONE as amended (together with any statement) under Article 19
	pag	es* NONE received by this Authority on
	pag	ges* NONE received by this Authority on
\boxtimes	the	drawings:
	nas	res 1-7 as originally filed/furnished
	pag	ges* NONE received by this Authority on
	-	ges* NONE received by this Authority on
] as	equence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3.] Th	e amendments have resulted in the cancellation of:
ł	Г	the description, pages
	Ē	the claims, Nos
	F	the drawings, sheets/figs
	屵	the sequence listing (specify):
	 -	any table(s) related to the sequence listing (specify):
4.	∟ Th sin	his report has been established as if (some of) the amendments annexed to this report and listed below had not been mad not they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
	Γ	the description, pages
	Ī	the claims, Nos
	F	the drawings, sheets/figs
		the sequence listing (specify):
	L	any table(s) related to the sequence listing (specify):
1		
* If it	tem 4	applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/US04/09506

•	and to possibly inventive step or industrial
Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial
2011 210	applicability; citations and explanations supporting such statement
	applications),

1. Statement

Novelty (N)	Claims 4, 5, 7, 8, 10-12, 15, 21 and 23-38 Claims 1-3, 6, 9, 13, 14, 16, 17, 18, 19, 20 and 22	YES NO
Inventive Step (IS)	Claims 4, 5, 7, 8, 10-12, 15, 21 and 23-38 Claims 1-3, 6, 9, 13, 14, 16, 17, 18, 19, 20 and 22	YES NO
Industrial Applicability (IA)	Claims <u>1-38</u> Claims <u>NONE</u>	YES NO

2. Citations and Explanations (Rule 70.7)

Claims 1-3, 6, 9, 13, 14, 16, 17, 18, 19, 20 and 22 lack novelty under PCT Article 33(2) as being anticipated by Gibbs et al. This reference teaches compound registry no. 148101-36-4P, which anticipates the compounds of the rejected claims.

Claims 1-3, 6, 9, 13, 14, 16, 17, 18, 19, 20 and 22 lack novelty under PCT Article 33(2) as being anticipated by Ma et al. This reference teaches compound registry nos. 147263-95-4P and 156743-28-1P, which anticipate the compounds of the rejected claims.

Claims 1-3, 6, 9, 13, 14, 16, 17, 18, 19, 20 and 22 lack novelty under PCT Article 33(2) as being anticipated by Xu et al. This reference teaches compound registry nos. 147263-95-4P, which anticipates the compounds of the rejected claims.

Claims 4, 5, 7, 8, 10-12, 15, 21 and 23-38 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the compounds and methods covered by these claims.

Claims 1-38 the criteria set out in PCT Article 33(4), and thus claims 1-38 have industrial applicability because the subject matter claimed can be made or used in industry, such as therapeutic agents.